NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

KLAM 11833

WATER WELL REPORT

STATE OF OREGON (Please type or print) (Do not write above this line)

RECEIVED MAR 25 1974 STATE ENGINEER SALEM, OREGON

QC

State Well No. 38S/7E-20

State Permit No.

(1) OWNER:

Name Presbyterian Intercommunity Hospital

Address 2865 Daggett St.
Klamath Falls, Oregon 97601

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [X]

(5) CASING INSTALLED:

Threaded [ ] Welded [X]

14 " Diam. from 0 ft. to 20 ft. Gage 1/4"
12 " Diam. from 0 ft. to 637 ft. Gage 1/4"
8 " Diam. from 599 ft. to 1003 ft. Gage 1/4"

(6) PERFORATIONS:

Perforated? [ ] Yes [X] No.

Type of perforator used

Size of perforations in. by in.

perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No

Manufacturer's Name

Type Model No.

Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered ~~below static level~~

Was a pump test made? [X] Yes [ ] No If yes, by whom? Interstate Pump Co.

Yield: 400 gal./min. with 22 ft. drawdown after 22 hrs.
" " " "
" " " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water 196 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used cement & bentinite

Well sealed from land surface to 20 ft.

Diameter of well bore to bottom of seal 20 in.

Diameter of well bore below seal 15 in.

Number of sacks of cement used in well seal 24 sacks

Number of sacks of bentonite used in well seal 11 sacks

Brand name of bentonite aquagel

Number of pounds of bentonite per 100 gallons of water ? lbs./100 gals.

Was a drive shoe used? [X] Yes [ ] No Plugs Size: location ft.

Did any strata contain unusable water? [ ] Yes [X] No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? [ ] Yes [X] No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Klamath Driller's well number

SW ¼ NE ¼ Section 20 T. 38S R. 7E W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 269 ft.

Static level 323 ft. below land surface. Date 3/19/74

Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12

Depth drilled 1584 ft. Depth of completed well 1584 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. *Report each change in position of Static Water Level and indicate principal water-bearing strata.*

MATERIAL	From	To	SWL
LOG ATTACHED			

Work started 7/31/ 1973 Completed 3/18 1974

Date well drilling machine moved off of well 3/19 1974

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] George M. Baker Jr. (Drilling Machine Operator) Date 3/20, 1974

Drilling Machine Operator's License No. 654

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name John A. Van Meter (Person, firm or corporation) (Type or print)

Address P.O. Box 204 Malin, Oregon 97632

[Signed] John A. Van Meter (Water Well Contractor)

Contractor's License No. 170 Date 3/20, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

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LICENSED

JOHN A. VAN METER

BONDED

WELL DRILLING

Telephone 503-723-3701 Box 204, Malin, Oregon

Free Estimates

Date March 19 19 74

0---2---soil and agatized rock
2---15--white clay
15---21---agatized rock and white clay
[illegible]-39---yellow clay
39[illegible]-78---agatized rock and yellow clay
78---107---brown sandstone
107---135---gray clay and boulders
135---283---gray shale
2[illegible]---340---hard gray boulders and clay
3[illegible]---459---hard gray shale
459---550--blue shale
550---571---gray shale
571---590---brown shale
590---634---gray tuff boulders and clay
634---735---gray shale
735---841---brown shale
841---849---red lava
849---863---gray lava
863---1097---gray basalt
1097---1108---brown and red lava
1108---1214---gray basalt
1214---1219---gray and brown lava
1219---1262---gray lava
1262---1370---red and gray lava
1370[illegible]-1424---gray lava
142[illegible]-1472---red and gray lava
1472---1484---blue shale
1484---1494---brown tuff boulders
1494---1505---gray basalt
150[illegible]-1518---blus shale, sand and gravel
151[illegible]-1571---black shale
1571---1573---gray basalt
1573---1584---broken gray basalt

38/9E – 20 aca
Klamath

RECEIVED
JAN 8 1976
WATER RESOURCES DEPT.
SALEM, OREGON

Location

Mr David Arnold

Address Presbyterian Intercommunity Hospital

Addition _____ Block _____ Lot _____

Well Data

Date dug 1974 Casing Top Elev 4415' Depth 1585'

Water Surface 322' Temperature range 32.6°-93.2° °C

Diameter 12" Cased depth 1585'

Water utilization Pump (size unknown) to reinjection well
(Not dug yet)

Coils in well None

Comments Well has not been used. Temperature will increase when pumped

Structure/Heating System

Structure(s) description Brick

Structure(s) size 140,000'2

Heat utilization Space heating domestic hot water

Heating system type Well water pumped thru forced air convectors

Estimated heating requirements 55,000 MBH 5.58×10^{11} BTU/year

Comments System not constructed yet. Estimated 1976

Data Acquisition

Temperature profile 8/16/74 Water sample 8/16/74 @ 350'

Well Drilling log Available

Comments

Application No. 6-7215
Permit No.

Interstate PUMP COMPANY, INC.

503/882-3464 — 7209 SOUTH SIXTH STREET
KLAMATH FALLS, OREGON 97601

WELL TEST REPORT

38/9E-20ba

For: Presbyterian Intercommunity Hospital Well
2865 Daggett
Klamath Falls, Oregon 97601

Date Tested March 11 & 12, 19 74

Location of Well Aprox. 200 Yards East of Hospital

Inside Diameter 12 " Depth 1,534 Feet
636 ' 12 " (Bal 10" Hole)
402 Feet of 8 Inch Casing. Driller John Van Mater

545 Feet of 5 Inch Column and 9 Stage 11 8 Inch Bowls.

Installed by Leb Campbell

Static Water Level at Start of Test 334 Feet

CAPACITY GPM	PUMPING LEVEL	DRAWDOWN	TIME	CONDITION OF WATER (SANDY, MUDDY, CLEAR, ETC.) Degree in F. (1)	(2)	
100	334 Ft.		1:30P	145		Cloudy
150	355 "		3:30P	145	152+7	Clearing
250	349 "		4:30P	152	160+8	Cloudy
250	335 "		5:30P	160	191+31	Clearing
150	320 "		7:30P	191	189-2	Clear
250	No Ck		9:30P	189	191+2	"
150	"		10:30P	191	189-2	"
March 12, 1974						
150	319 Ft.		8:30A	189		Clear
250	325 "		9:30A	189	191+2	"
400	337 "		10:15A	191	196+5	Cloudy
250	330 "		11:00A	196	191-5	Slightly Cloudy
150	319 "		11:15A	191		Clearing
			Shut Down after checking water level and Temp. 11:30AM			

TEMPERATURE 191 °

Static Water Level After Pump Removed 314 Ft.

REMARKS: The two temp. changes are (1) at the start of the run. Listed (2) is what temp. reached during the run.

Well improved in all ways during the test run.

RECEIVED
JUN 11 1974
STATE ENGINEER
SALEM, OREGON

Signed by

TEMPERATURE AND WATER ANALYSIS DATA

1. Address 2865 Daggett PIH

2. Temperature readings

Pumped

Profile:

Depth	8/16/[illegible] Temperature	~~Other~~ continued Temperature	
325	32.6 °C	1100	85.8 °C
350	32.5	1150	87.4
400	35.2	1200	88.9
450	39.5	1250	90.0
500	49.8	1300	90.8
600	58.7	1350	91.7
650	61.1	1400	92.1
700	71.4	1450	92.6
750	84.5	1500	93.1
800	76.5	1550	93.2
550	78.9		
900	81.0		
950	82.0		
1000	84.5		
1050	89.5		

Comments Not in use yet

3. Chemical analyses of water

Test	Project Sample	Other Sample
Depth below casing top (feet)		
Temperature (°C)	32.5	
pH	8.78	
Electrolytic conductivity (μMhos/cm)	860.	
Sodium (mg Na/l)	179.	
Potassium (mg K/l)	3.7	
Total water hardness (mg $CaCO_3$/l)	54.	
Calcium (mg Ca/l)	80.	
Alkalinity (to pH 8.3) (mg $CaCO_3$/l)	8.0	
Alkalinity (to pH 4.5) (mg $CaCO_3$/l)	40.	
Chloride (mg Cl/l)	42.	
Sulfate (mg SO_4/l)	352.	
Silica (mg SiO_2/l)	21.	

Comments

Application No. ~~7215~~

Permit No.